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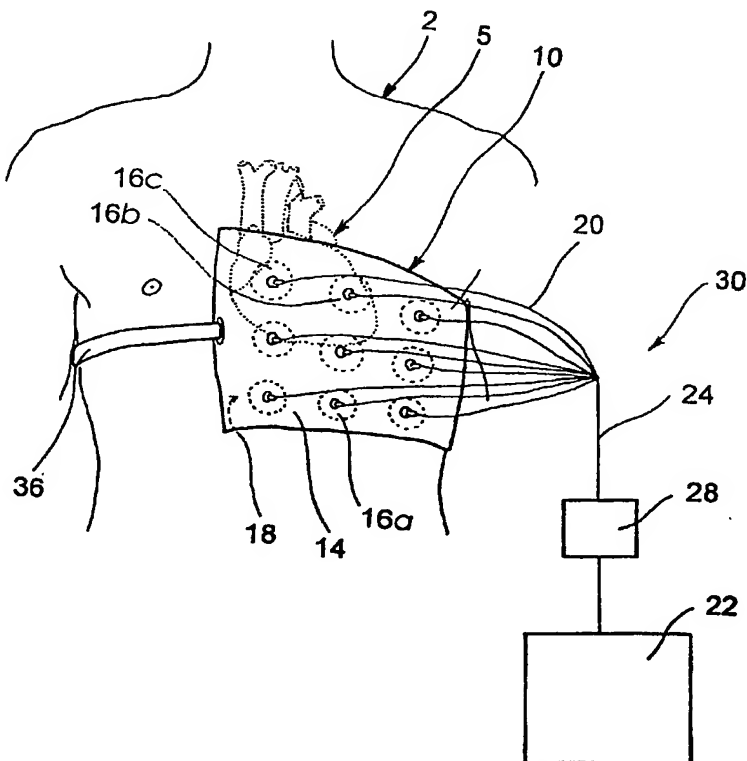
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- (71) Applicant (for all designated States except US): **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 1111 Franklin Street, 5th floor, Oakland, CA 94607-5200 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **CHANDRARATNA,**
- Premindra, Anthony, Nirmal** [US/US]; 30932 Marne Drive, Rancho Palos Verdes, CA 90275 (US).
- (74) Agent: **BUYAN, Robert, D.**; Stout, Uxa, Buyan & Mullins, LLP., 4 Venture, Suite 300, Irvine, CA 92618 (US).
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(54) Title: **ULTRASOUND DEVICES AND METHODS FOR TREATING ISCHEMIA AND OTHER CARDIOVASCULAR DISORDERS**



(57) Abstract: Therapeutic ultrasound devices and methods are provided. The device generally includes a substrate, for example, a flexible substrate, and multiple, individual transducer elements disposed on a face of the substrate. The device may be provided as a part of an ultrasound system for that includes a generator unit and a controller including drive electronics. The device may be structured to enable individual control, manual or automatic, over each of the ultrasound transducer elements in order to allow a physician or technician to provide the most effective individualized treatment to a patient. The devices and methods are especially useful for treatment of ischemia and hypoxia using ultrasound levels that are generally no greater than those used for diagnostic purposes.

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